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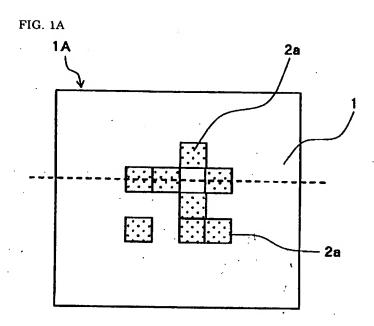


FIG. 1B

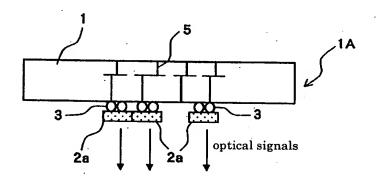


FIG. 1C

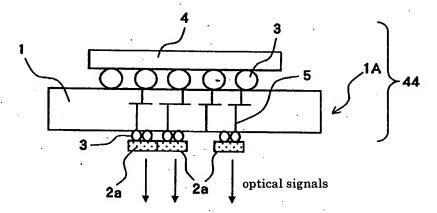
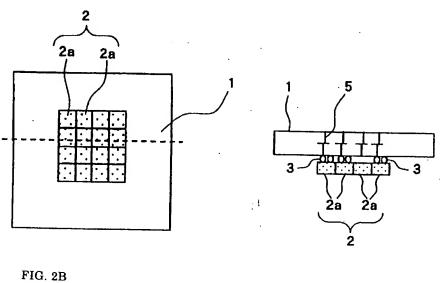
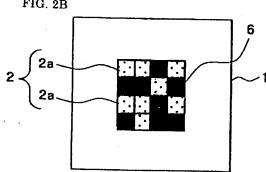


FIG. 2A





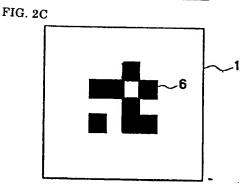


FIG. 2D

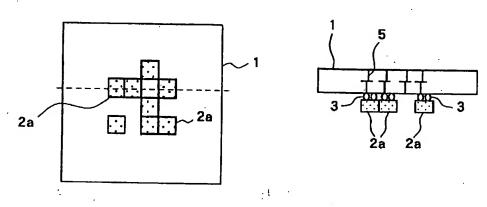


FIG. 3A

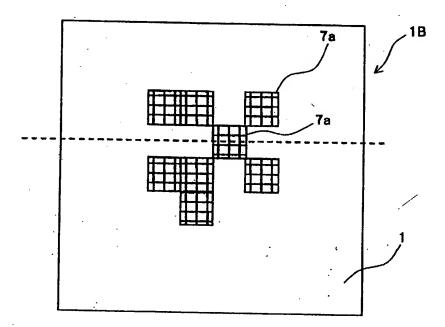


FIG. 3B

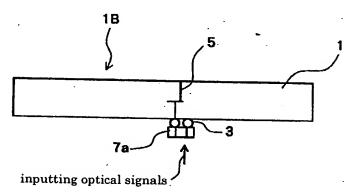


FIG. 3C

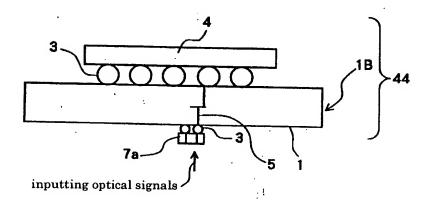


FIG. 4A

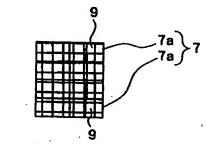


FIG. 4B

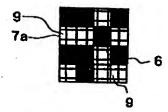
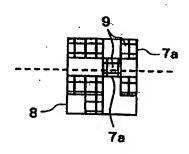


FIG. 4C



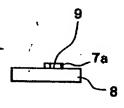
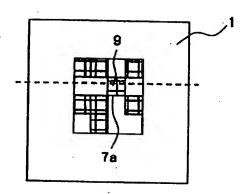


FIG. 4D



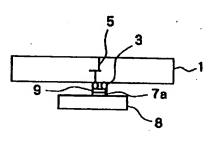
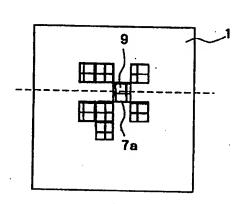


FIG. 4E



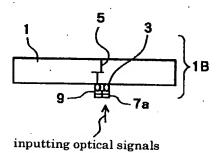
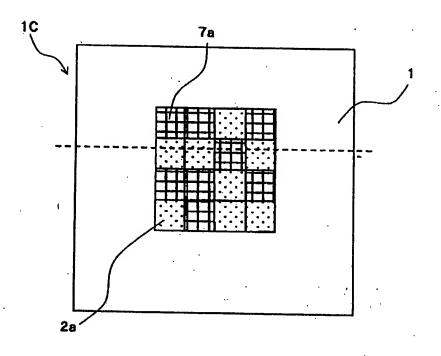


FIG. 5A



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FIG. 5B

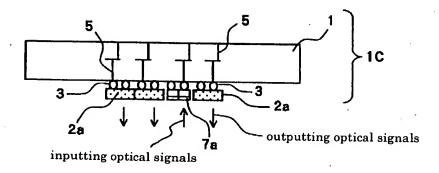


FIG. 5C

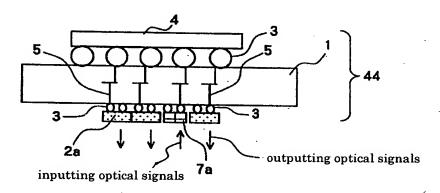


FIG. 5D

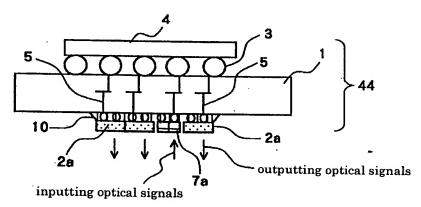
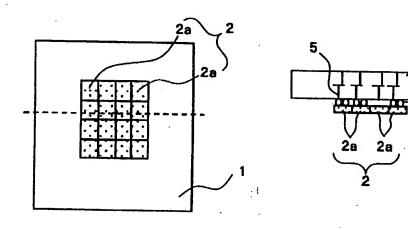


FIG. 6A





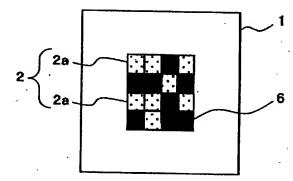


FIG. 6C

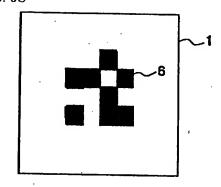
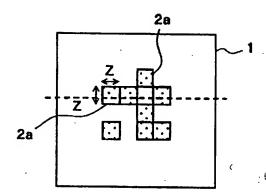


FIG. 6D



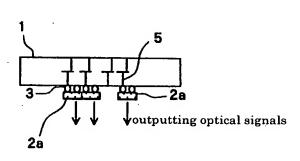


FIG. 6E

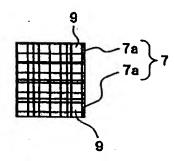


FIG. 6F

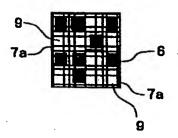
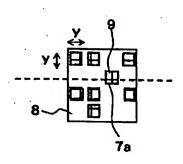


FIG. 6G



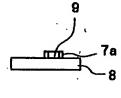
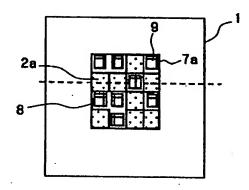


FIG. 6H



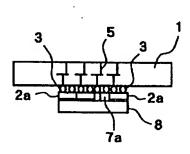
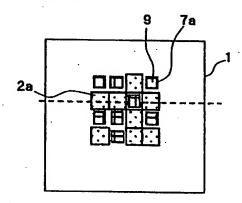


FIG. 6I



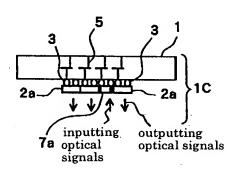
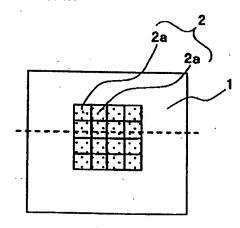


FIG. 7A



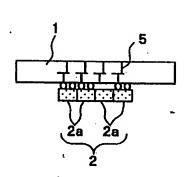


FIG. 7B -

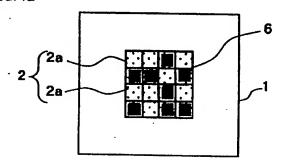


FIG. 7C

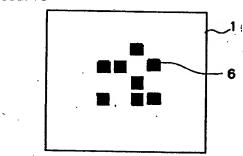
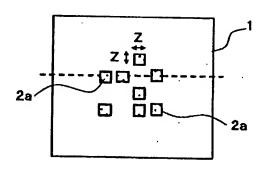


FIG. 7D



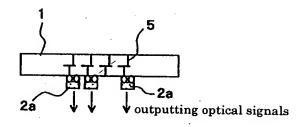
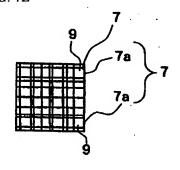


FIG. 7E



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FIG. 7F

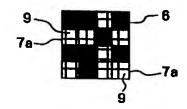
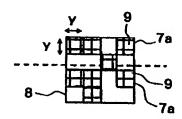


FIG. 7G



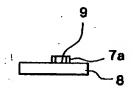
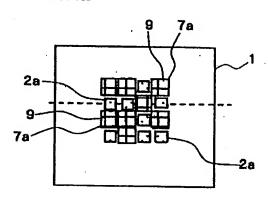


FIG. 7H



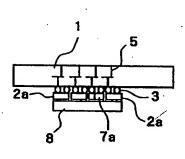
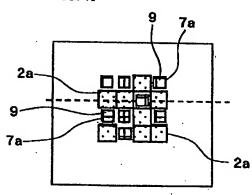
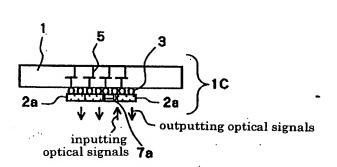


FIG. 7I





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FIG. 8A

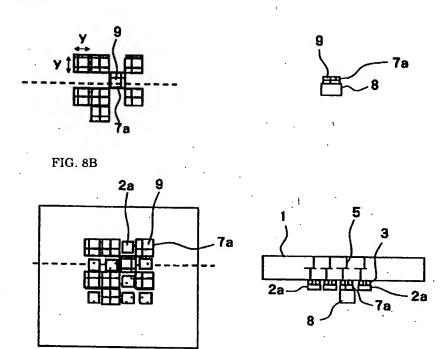


FIG. 8C

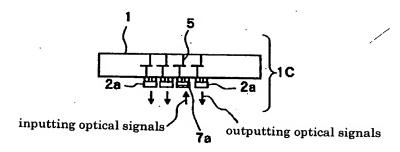


FIG. 9

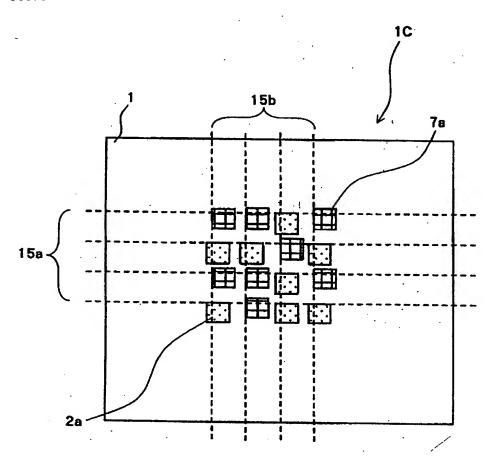
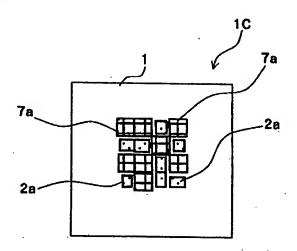


FIG. 10A



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FIG. 10B

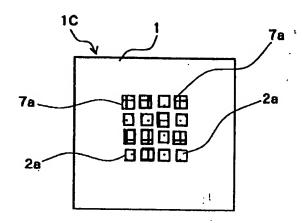


FIG. 10C

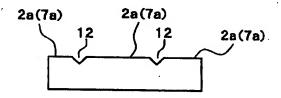
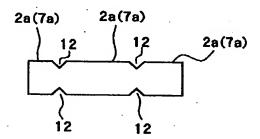


FIG. 10D



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FIG. 11A

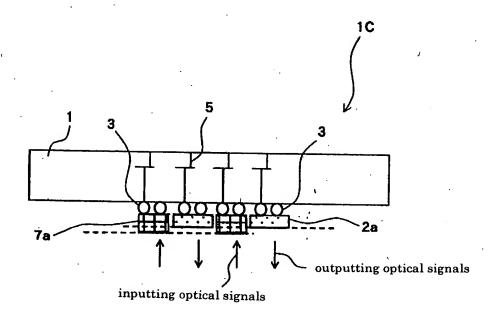


FIG. 11B

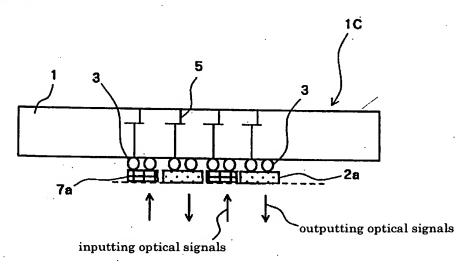


FIG. 12

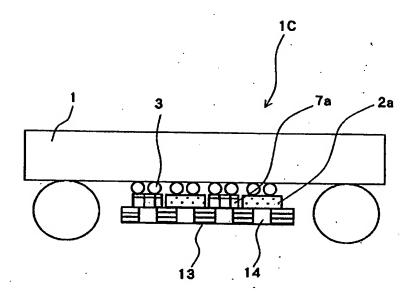


FIG. 13A

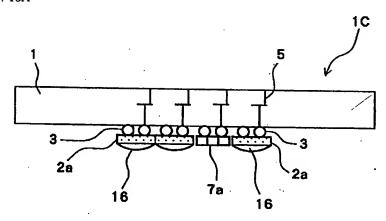
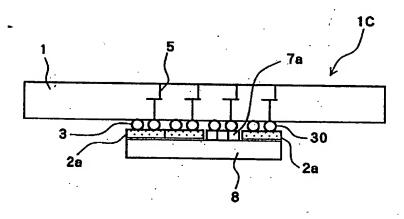


FIG. 13B



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FIG. 13C

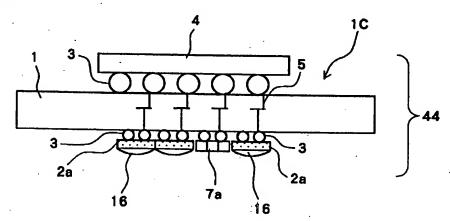


FIG. 14A

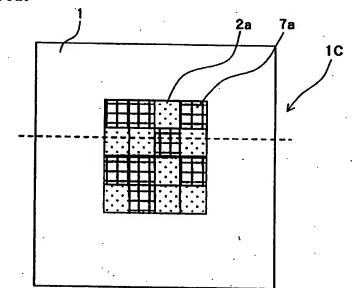


FIG. 14B

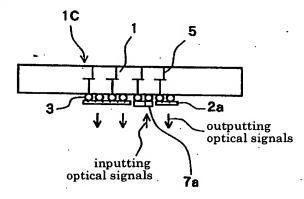


FIG. 14C

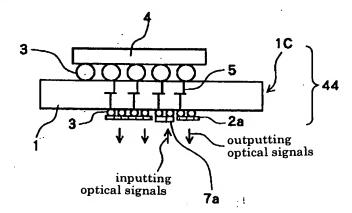


FIG. 15A

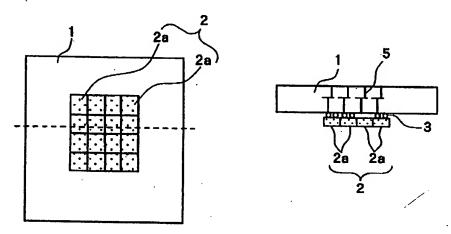


FIG.15B

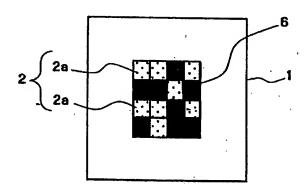


FIG. 15C

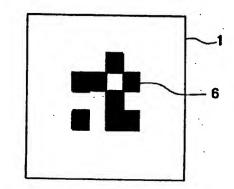
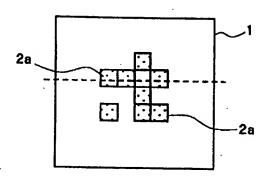


FIG. 15D



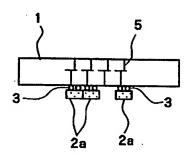
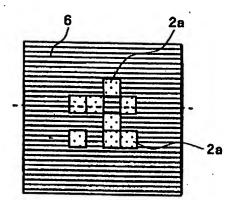
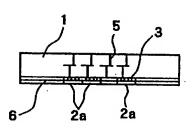


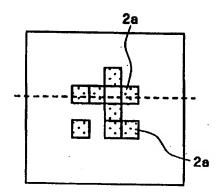
FIG. 15E





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FIG. 15F



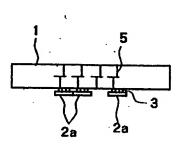


FIG. 15G

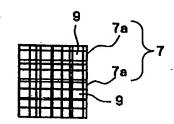


FIG. 15H

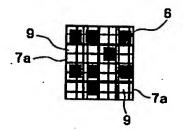
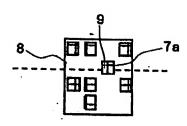
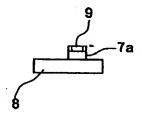


FIG. 15I





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FIG. 15J

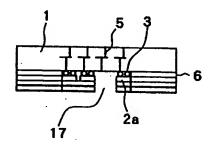
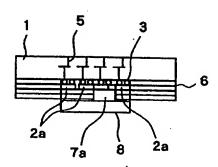


FIG. 15K

FIG. 15L



7a 2a-7aoutputting optical signals

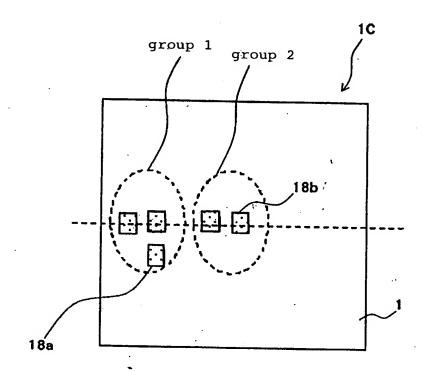
·2a

inputting

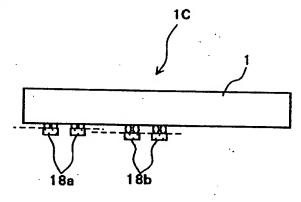
/ optical
7a signals

2a

FIG. 16A







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FIG. 17A

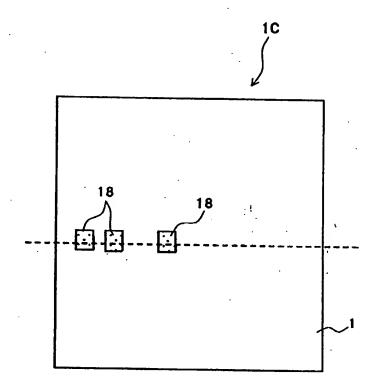


FIG. 17B

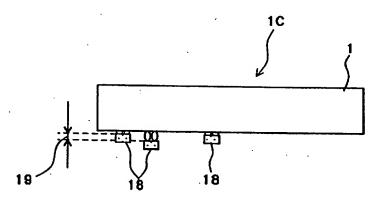


FIG. 18A

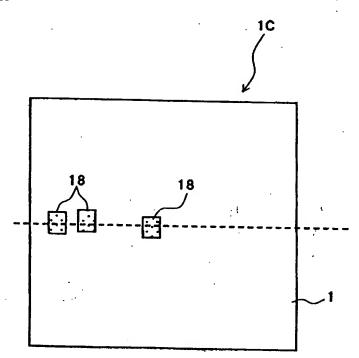


FIG. 18B

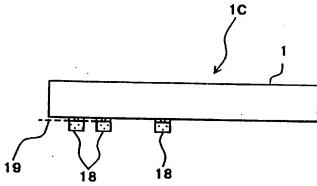


FIG. 19A

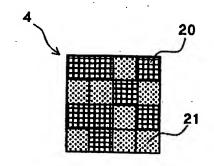


FIG. 19B

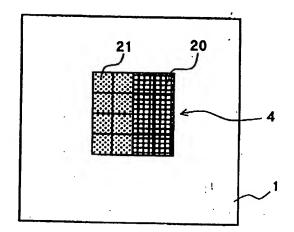


FIG. 19C

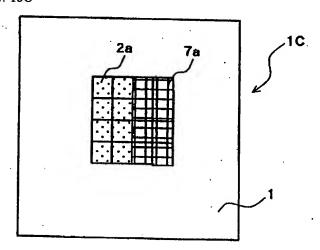


FIG. 20

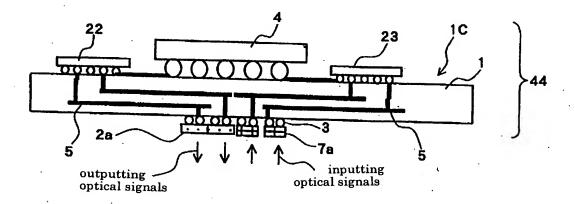


FIG. 21

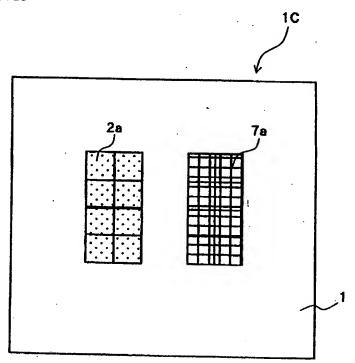


FIG. 22A

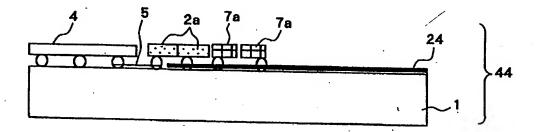


FIG. 22B

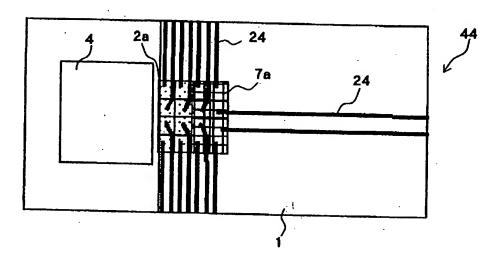
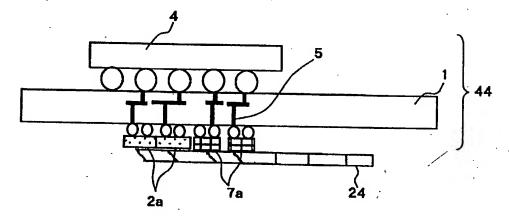


FIG. 23A



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FIG. 23B

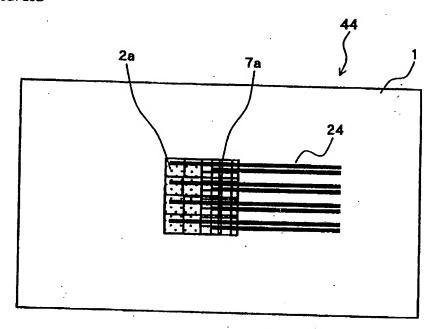
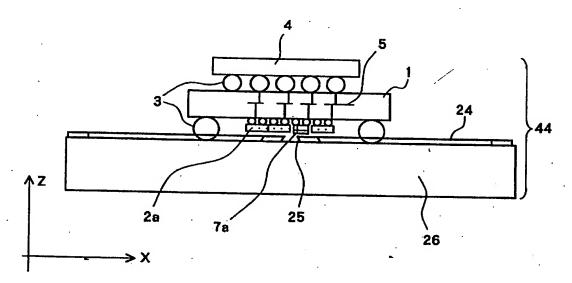


FIG. 24A



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FIG. 24B

